

Figure 1 is a schematic diagram of a multi-layered material structure. The structure is composed of a top layer (19) and a bottom layer (20), separated by a wavy interface. The top layer contains vertical columns (21) and rectangular openings (27, 29, 52). The bottom layer contains vertical columns (21) and rectangular openings (28, 31, 52). The structure is bounded by a top edge (40) and a bottom edge (44). Arrows A, B, C, and D indicate directions of movement or force. Various other labels (49, 50, 51, 55) are present.

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FIG.2

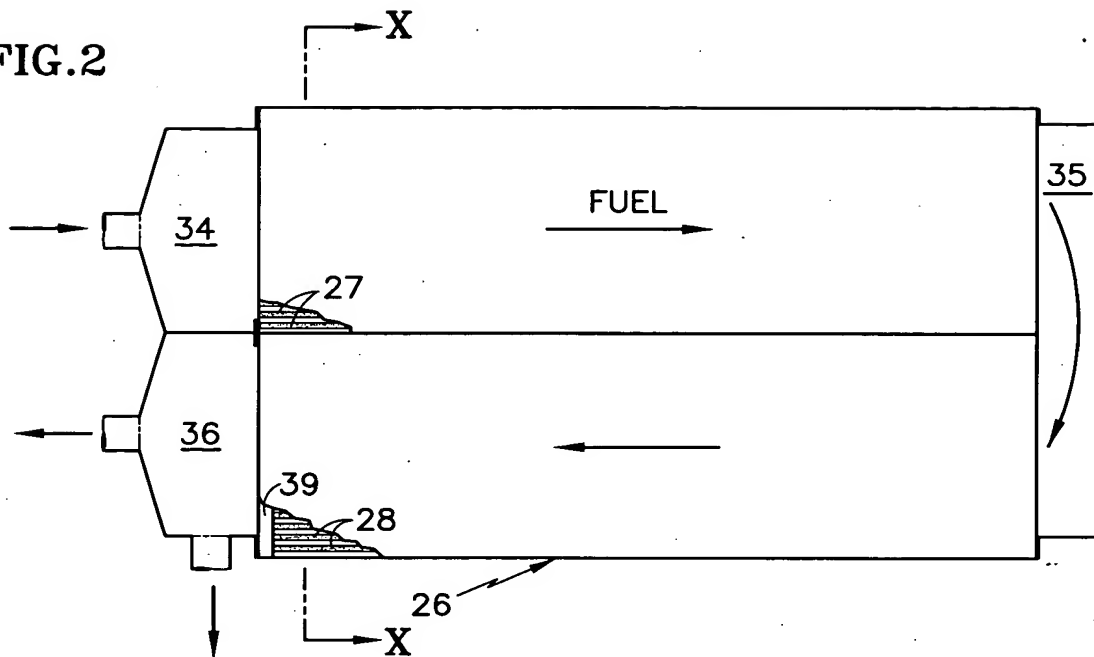
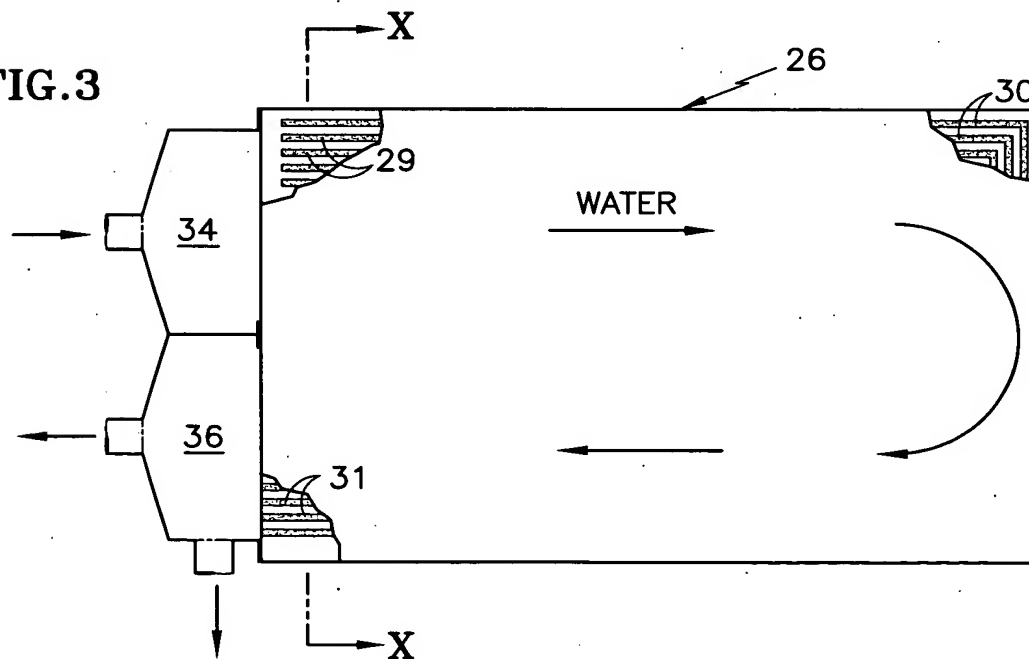


FIG.3



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FIG. 4

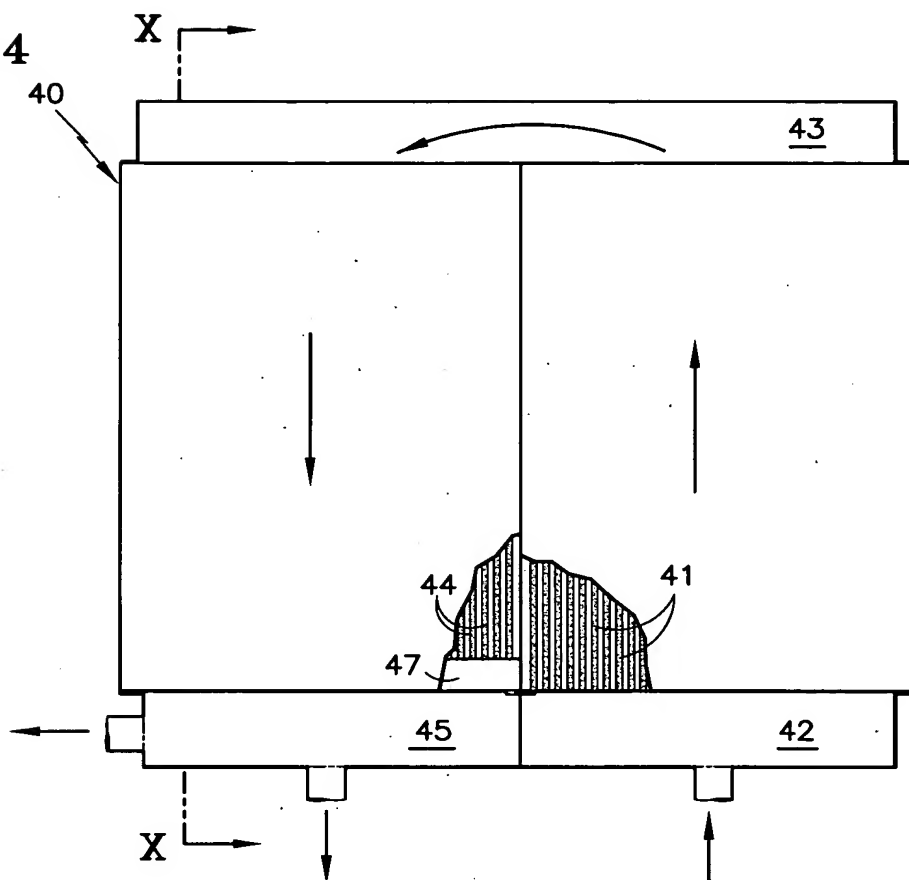


FIG. 5

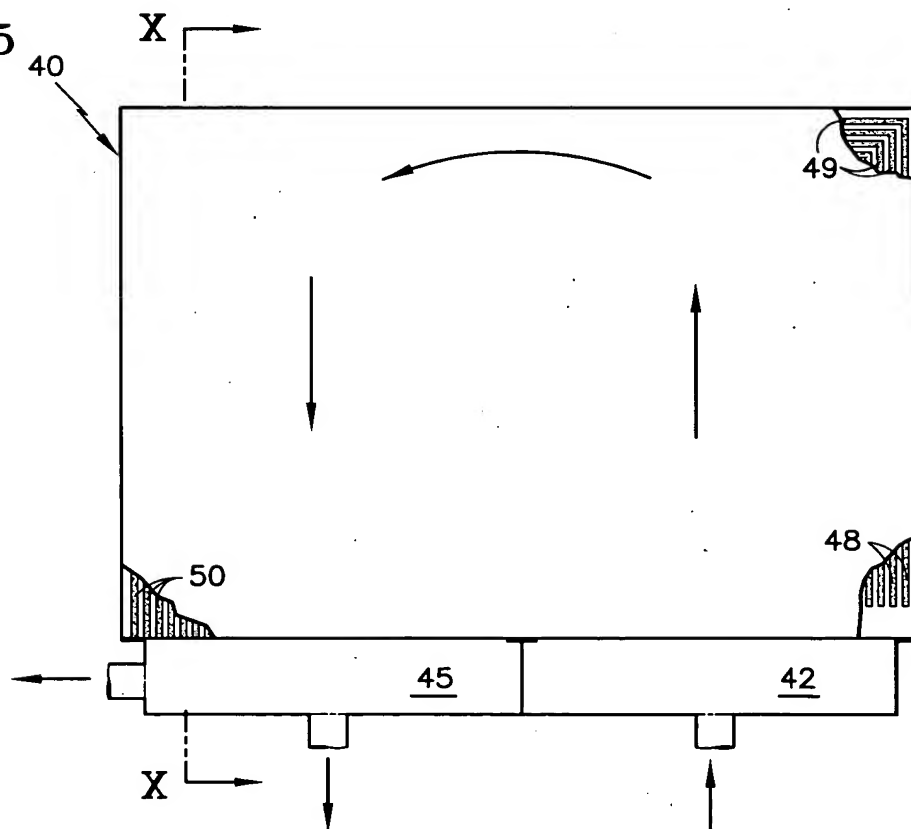


FIG. 6

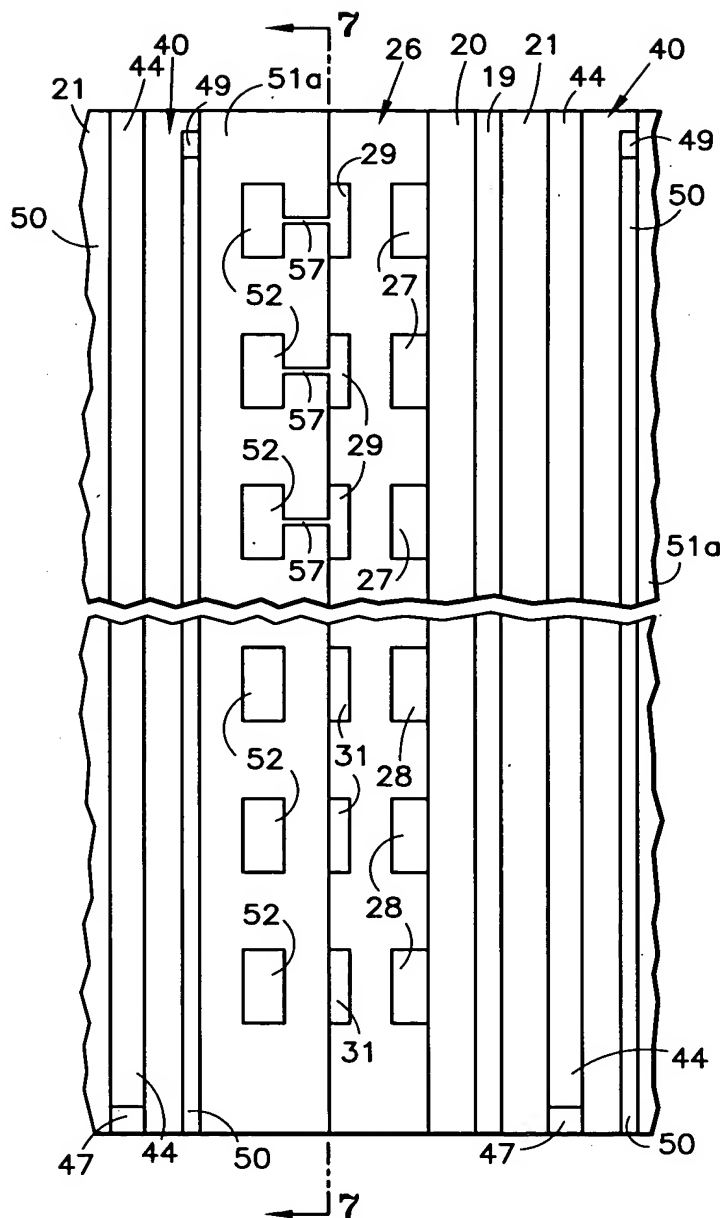


FIG. 7

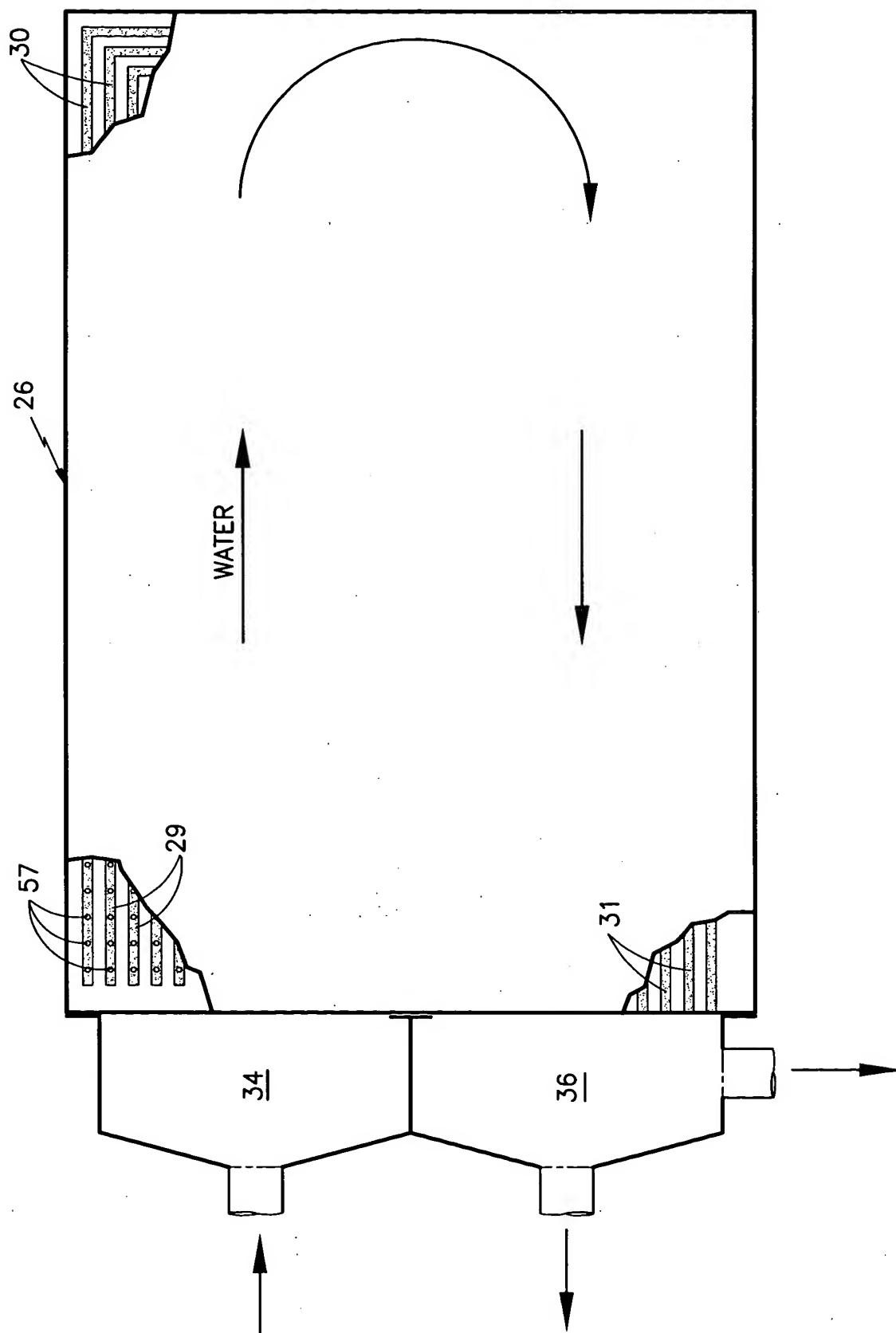


FIG.8

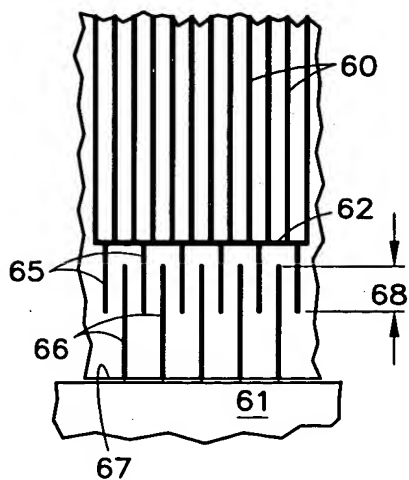


FIG.9

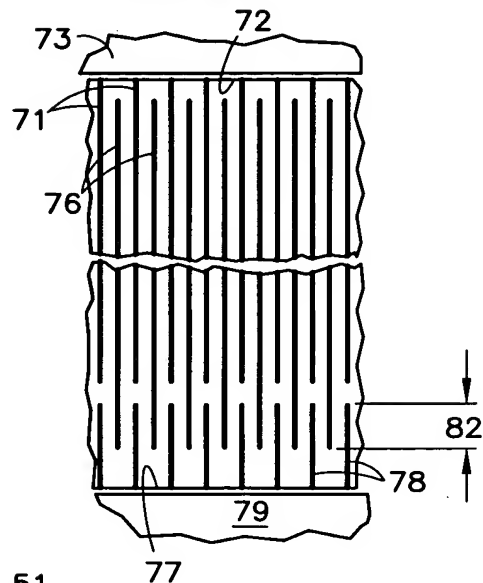


FIG. 10

